AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method in a communications device for transmitting packets, the method comprising:

receiving packets, each packet being a control packet or a data packet; storing the received packets in memory of the communications device; when the stored packets include a control packet and a data packet,

determining whether-transmitting of the control packet will delay the transmitting of the data packet <u>has been delayed</u> more than a certain amount of time;

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when it is determined that the data packet will be has been delayed more than the certain amount of time, selecting the data packet; and

when it is determined that the data packet will not be has not been delayed more than the certain amount of time, selecting the control packet;

retrieving the selected packet from memory of the communications device; and

transmitting the retrieved packet.

- 2. (Original) The method of claim 1 wherein the memory of the communications device includes a portion for storing data packets and a separate portion for storing control packets.
- 3. (Original) The method of claim 2 wherein each portion of the memory is a FIFO buffer.

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4. (Previously Presented) The method of claim 1 wherein the communications device has multiple ports and the selecting of the packet is performed for packets to be transmitted via the same port.

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- 5. (Original) The method of claim 1 wherein the packets with a packet type of control include command packets.
- 6. (Original) The method of claim 1 wherein the packets with a packet type of control include status packets.
- 7. (Original) The method of claim 1 wherein the packets with a packet type of control include message packets.
- 8. (Original) The method of claim 1 including:

while transmitting a data packet,

receiving a control packet;

interrupting the transmission of the data packet;

transmitting the control packet; and

after the control packet is transmitted, continuing with the interrupted transmission of the data packet.

- 9. (Original) The method of claim 8 wherein each packet has a header and the continuing includes transmitting a header corresponding to the interrupted portion of the data packet.
- 10. (Original) The method of claim 8 wherein each packet has a header and the continuing includes transmitting the remainder of the data packet without transmitting a new header.

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11. (Original) The method of claim 8 wherein the interrupting of the transmission

includes transmitting a preempt primitive and wherein the continuing with the interrupted

transmission includes transmitting a continue primitive.

12. (Original) The method of claim 1 wherein the communications device is a

switch that connects host devices to data store devices.

13. (Original) The method of claim 1 wherein the communications device is part

of a storage area network.

14. (Original) The method of claim 1 wherein the selecting includes selecting

control packets before selecting data packets.

15. (Original) The method of claim 1 wherein the selecting includes applying a

selection algorithm that gives preference to selecting control packets over data packets.

16. (Previously Presented) A method in a communications device for transmitting

packets, the method comprising:

receiving packets in an order, each packet being a first packet type or a

second packet type; and

transmitting the received packets in an order that is different from the

order in which the packets were received based on whether the

packets are a first packet type or a second packet type, unless the

transmitting of a packet in the different order would delay the

transmitting of a packet more than a certain amount of time.

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17. (Original) The method of claim 16 wherein the first packet type is a data

packet and the second packet type is a control packet and control packets are

transmitted before data packets.

18. (Original) The method of claim 17 wherein the transmitting includes selecting

control packets before selecting data packets.

19. (Original) The method of claim 17 wherein the transmitting includes selecting

in accordance with a selection algorithm that gives preference to control packets over

data packets.

20. (Original) The method of claim 16 wherein the communications device has

multiple ports and wherein the received packets are transmitted via the same port.

21. (Original) The method of claim 20 wherein the packets are received via a

single port.

22. (Original) The method of claim 20 wherein the packets are received via

different ports.

23. (Original) The method of claim 16 wherein the communications device is a

switch that connects host devices to data storage devices.

24. (Original) The method of claim 16 wherein the communications device is part

of a storage area network.

25. (Previously Presented) A communications device comprising:

a memory;

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a receive component that receives packets and stores the received

packets in the memory, each packet being a control packet or a

data packet, wherein control packets are stored in a control packet

queue and data packets are stored in a data packet queue; and

a transmit component that retrieves the packets from the memory, wherein

the retrieving is associated with a selection algorithm that if each

queue contains a packet the selection algorithm selects a control

packet for retrieval unless a certain condition is satisfied in which

case the selection algorithm selects a data packet for retrieval and

that transmits the retrieved packets in order of retrieval.

26. (Previously Presented) The communications device of claim 25, wherein the

condition is satisfied when the selection of a control packet would delay the transmitting

of a data packet more than a certain amount of time.

27. (Original) The communications device of claim 26 wherein each portion of the

memory is a FIFO buffer.

28. (Original) The communications device of claim 25 including multiple ports,

each with a transmit component.

29. (Original) The communications device of claim 25 wherein the transmit

component interrupts transmitting of a data packet to transmit a control packet.

30. (Original) The communications device of claim 29 wherein transmitting of the

interrupted data packet continues after the control packet is transmitted.

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31. (Original) The communications device of claim 30 wherein the interrupting of the transmitting includes transmitting a preempt primitive and wherein the continuing with the interrupted data packet includes transmitting a continue primitive.

- 32. (Original) The communications device of claim 25 wherein the communications device is a switch that connects host devices to data store devices.
- 33. (Original) The communications device of claim 25 wherein the communications device is part of a storage area network.
- 34. (Original) The communications device of claim 25 wherein control packets are retrieved before data packets.
- 35. (Original) The communications device of claim 25 wherein packets are retrieved based on a retrieval algorithm that gives preference to retrieving control packets over data packets.
- 36. 43. (Canceled)